

Siu

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Plunkett
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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/320,609

DATE: 03/03/2000
TIME: 12:14:37

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This Raw Listing contains the General Information
Section and up to first 5 pages.

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1 <110> APPLICANT: Wilusz, Jeffrey
2 Ford, Lance P
3 <120> TITLE OF INVENTION: SYSTEM FOR REPRODUCING AND MODULATING STABILITY AND
4 TURNOVER OF RNA MOLECULES
5 <130> FILE REFERENCE: 601-1-088N
6 <140> CURRENT APPLICATION NUMBER: US/09/320,609
7 <141> CURRENT FILING DATE: 1999-05-26
8 <150> EARLIER APPLICATION NUMBER: US 60/086,675
9 <151> EARLIER FILING DATE: 1998-05-26
10 <160> NUMBER OF SEQ ID NOS: 12
11 <170> SOFTWARE: PatentIn Ver. 2.0
12 <210> SEQ ID NO 1
13 <211> LENGTH: 59
14 <212> TYPE: DNA
15 <213> ORGANISM: Artificial Sequence
16 <220> FEATURE:
17 <223> OTHER INFORMATION: Description of Artificial Sequence: By hybridizing
18 this synthetic oligonucleotide and its appropriate
19 complement, template for ARE-A0 RNA were
20 generated.
21 <400> SEQUENCE: 1
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23 <210> SEQ ID NO 2
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25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
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30 complement, templates for MT-ARE-A0 RNA were
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34 <210> SEQ ID NO 3
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36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of Artificial Sequence: By hybridizing
40 this synthetic oligonucleotide and its appropriate
41 complement, templates for Fos-A0 RNA were
42 generated.
43 <400> SEQUENCE: 3
44 atttaggtga cactatagaa tacacaaatt ttattgtgtt ttttaatttat ttattaagat 60

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45      ggattctc                                     68
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50  <220> FEATURE:
51  <223> OTHER INFORMATION: Description for artificial sequence: Templates for
52      SVARE-A0 RNA were generated by inserting the
53      TNF-alpha ARE containing this oligonucleotide and
54      its appropriate complement between the PstI and
55      Hind
56  <400> SEQUENCE: 4
57      attatttatt atttatttat tatttattat tta                                     33
58  <210> SEQ ID NO 5
59  <211> LENGTH: 70
60  <212> TYPE: DNA
61  <213> ORGANISM: Artificial Sequence
62  <220> FEATURE:
63  <223> OTHER INFORMATION: Description of Artificial Sequence: By hybridizing
64      this synthetic oligonucleotide and its appropriate
65      complement , templates for CX-A0 RNA were
66      generated.
67  <400> SEQUENCE: 5
68      atttaggtga cactatagaa tacaccccaa cgggccctcc ctcccctcct tgcaccatca 60
69      tcgcatcacg                                                                70
70  <210> SEQ ID NO 6
71  <211> LENGTH: 34
72  <212> TYPE: RNA
73  <213> ORGANISM: Artificial Sequence
74  <220> FEATURE:
75  <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNAs
76      used in competition studies. ARE.
77  <400> SEQUENCE: 6
78      auuauuuuuu auuuauuuau uauuuauuuu uuua                                     34
79  <210> SEQ ID NO 7
80  <211> LENGTH: 13
81  <212> TYPE: RNA
82  <213> ORGANISM: Artificial Sequence
83  <220> FEATURE:
84  <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNA
85      used in competition studies contains this
86      sequence. Non-specific competitor.
87  <400> SEQUENCE: 7
88      gucacguguc acc                                                                13
89  <210> SEQ ID NO 8
90  <211> LENGTH: 23
91  <212> TYPE: DNA
92  <213> ORGANISM: Artificial Sequence
93  <220> FEATURE:
94  <223> OTHER INFORMATION: Description of Artificial Sequence: This synthetic

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95      oligonucleotide and its appropriate complement
96      were generated, hybridized, and ligated to Hind III
97      cut DNA templates.
98      <400> SEQUENCE: 8
99      agctatattg aggtgctcga ggt
100     <210> SEQ ID NO 9
101     <211> LENGTH: 24
102     <212> TYPE: DNA
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106         primer.
107     <400> SEQUENCE: 9
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116     <400> SEQUENCE: 10
117         acctcgagca cctc
118     <210> SEQ ID NO 11
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120     <212> TYPE: DNA
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125     <400> SEQUENCE: 11
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129     <212> TYPE: RNA
130     <213> ORGANISM: Artificial Sequence
131     <220> FEATURE:
132     <223> OTHER INFORMATION: Description of Artificial Sequence: This sequence
133         often repeats in AREs (A-U rich sequence) found in
134         the 3' untranslated region of many short-lived
135         mRNAs.
136     <400> SEQUENCE: 12
137         auuua

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VERIFICATION SUMMARY
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